

03-18-02

PATENT
USA.302

A
10/099839
JC828 U.S. PTO
03/13/02

JC769 U.S. PTO
03/13/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Sherwood et al.) Attorney Docket No.: USA.302
Title: INFILTRATION OF THREE-)
DIMENSIONAL OBJECTS)
FORMED BY SOLID)
FREEFORM FABRICATION)
Date Filed: March 13, 2002) Customer No.: 022514

BOX PATENT APPLICATION
U.S. Patent and Trademark Office
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Arlington, VA 22202

Certificate Under 37 CFR §1.10
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March 13, 2002
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Janice Gainer
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Signature

UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s): Michael Thomas Sherwood and Pingyong Xu.

APPLICATION ELEMENTS

1. Fee Transmittal Form.
2. Type of Application.

This new application is for a(n) (check one applicable item below):

- ☒ Original
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-in-part (CIP) of Prior Application No.:
Examiner: Group Art Unit:

3. **Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

- | | |
|--|------------------------|
| <input checked="" type="checkbox"/> Pages of Specification | Total Pages: <u>36</u> |
| <input checked="" type="checkbox"/> Drawings - Formal | Total Sheets: <u>1</u> |
| <input checked="" type="checkbox"/> Oath or Declaration and Power of Attorney for Patent Application | |
| <input checked="" type="checkbox"/> Newly executed (original or copy) | |
| <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) | |

4. **Additional Papers Enclosed.**

- ☒ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449
Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

5. **Inventorship.**

The inventorship names and addresses for all the claims in this application are:

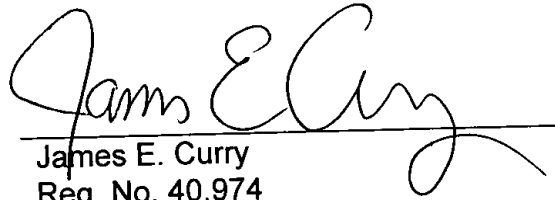
Michael Thomas Sherwood
29849 Westhaven Drive
Agoura Hills, CA 91301

Pingyong Xu
23229 Savory Place
Valencia, CA 91354

6. Language .

☒ English

Dated: March 13, 2002


James E. Curry
Reg. No. 40,974
Attorney for Applicants

3D Systems, Inc.
26081 Avenue Hall
Valencia, CA 91355
(661) 295-5600, ext. 2470

☒ Statement Where No Further Pages Added.

☒ This Transmittal Ends With This Page.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

\$834.00

Complete if Known

Application Number	To be assigned
Filing Date	March 13, 2002
First Named Inventor	Sherwood
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	USA.302

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 20-0900

Deposit Account Name 3D Systems, Inc.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
		101 740	201 370	Utility filing fee	740.00
		106 330	206 165	Design filing fee	
		107 510	207 255	Plant filing fee	
		108 740	208 370	Reissue filing fee	
		114 160	214 80	Provisional filing fee	
SUBTOTAL (1)					\$740.00

2. EXTRA CLAIM FEES FOR UTILITY AND

Total Claims	Extra Claims	Fee from below	Fee Paid
23	-20** = 3	X 18.00 =	54.00
Independent Claims	2 - 3** = 0	X	0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
		103 18	203 9	Claims in excess of 20
		102 84	202 42	Independent claims in excess of 3
		104 280	204 140	Multiple dependent claim, if not paid
		109 84	209 42	** Reissue independent claims over original patent
		110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

\$54.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
		105 130	205 65	Surcharge - late filing fee or oath	
		127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
		139 130	139 130	Non - English specification	
		147 2,520	147 2,520	For filing a request for ex parte reexamination	
		112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
		115 110	215 55	Extension for reply within first month	
		116 400	216 200	Extension for reply within second month	
		117 920	217 460	Extension for reply within third month	
		118 1,440	218 720	Extension for reply within fourth month	
		128 1,960	228 980	Extension for reply within fifth month	
		119 320	219 160	Notice of Appeal	
		120 320	220 160	Filing a brief in support of an appeal	
		121 280	221 140	Request for oral hearing	
		138 1,510	138 1,510	Petition to institute a public use proceeding	
		140 110	240 55	Petition to revive - unavoidable	
		141 1,280	241 640	Petition to revive - unintentional	
		142 1,280	242 640	Utility issue fee (or reissue)	
		143 460	243 230	Design issue fee	
		144 620	244 310	Plant issue fee	
		122 130	122 130	Petitions to the Commissioner	
		123 50	123 50	Processing fee under 37 CFR § 1.17(q)	
		126 180	126 180	Submission of Information Disclosure Statement	
		581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00
		146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
		149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
		179 740	279 370	Request for Continued Examination (RCE)	
		169 900	169 900	Request for expedited examination of a design application	

Other fee (specify)

SUBTOTAL (3)

\$40.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name

James E. Curry

Registration No.
(Attorney/Agent)

40,974

Telephone

661-295-5600 ext. 2470

Signature

James E. Curry

Date

March 13, 2002

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Sherwood
Title	Infiltration of Three-Dimensional Objects Formed by Solid Freeform Fabrication
Atty Docket Number	USA.302

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 13, 2002

Date



Signature

James E. Curry

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.